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ANNUAL REPORT

OF THE COUNCIL

OF THE



YORKSHIRE

PHILOSOPHICAL SOCIETY

FOR THE YEAR

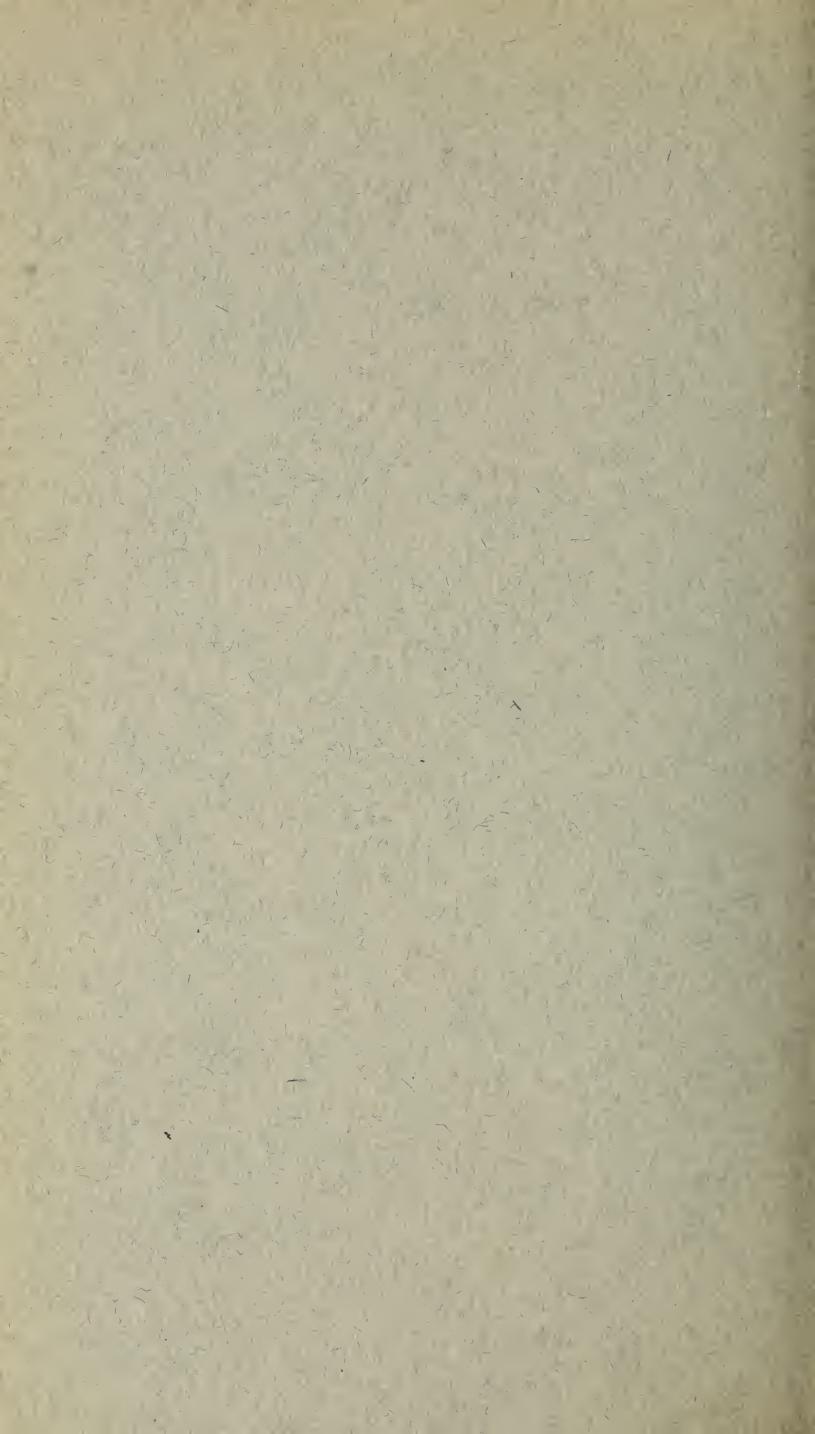
1943

PRESENTED TO THE ANNUAL MEETING,

- 13th MARCH, 1944. -

PRINTED BY ORDER OF THE COUNCIL.

1944.



The Porkshire Philosophical Society.

(Founded 1822.)

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The President, the Hon. Secretary, Hon. Treasurer, and the Keeper are *ex-officio* members of all Committees.

York and District Field Naturalists' Section.

Officials elected April, 1944:

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R. Wagstaffe, M.B.O.U.

Vice Presidents:

STANLEY ALLEN.

S. Cooper.

C. F. SWEETMAN.

F. SMALLEY.

Hon. Secretary:

A. W. PING, M.A., F.R.Met.S. St. Olave's, Clifton, York.

Hon. Treasurer:

A. Colley,

The Yorkshire Museum, York.

The Annual Subscription to the Section is five shillings. Membership is open to both members and non-members of the Yorkshire Philosophical Society. Members of the Yorkshire Philosophical Society are cordially invited to the lectures.

REPORT OF THE COUNCIL

OF THE

YORKSHIRE PHILOSOPHICAL SOCIETY

13th MARCH, 1944.

GENERAL REVIEW.

EVER since the Yorkshire Philosophical Society was founded in 1822 around the Kirkdale Cave Collections of William Salmond, James Atkinson and Anthony Thorpe, it has, in accordance with the wishes of its founders, always offered its cultural resources to those qualified to use them in the best interests of Science and the Humanities. Nevertheless, there should be times in the life of our Society, no less than in the lives of other old cultural institutions, when the aims and ideals of its founders are reaffirmed, and, if necessary, strengthened and broadened to meet the requirements of a changing world.

Indeed, in these days of war, when the old and more lasting values are apt to be overlooked or forgotten, it becomes imperative that we, as a leading learned society, should be reminded of our cultural trusteeship in order that we may play a full part in the happier times which we hope are not far distant. Thus, during the year, your Council most earnestly considered the past, present and future work of this Society, and with the co-operation of the Keeper and Honorary Curators drew up a scheme outlining what it considered should be the future work and sphere of interest of the Society. This scheme, which is presented below, was, upon request, forwarded to the Civic Committee as the Society's contribution to that Committee's survey of the cultural amenities of the City. It covers a wide field, but your Council feels sure that it will be cordially accepted as an expression of faith in the future activities of the Society. A perusal of it will reveal that basically the aims and ideals of the Society remain the same to-day as when first laid down a hundred and twenty-one years ago—a testimony, if one were needed, to the vision of its founders. Since those early days, however, other institutions with allied interests have been established in Yorkshire, for example the young and energetic Castle Museum of our own City, which has built up collections illustrative of the Folk Culture of Yorkshire of great interest and importance. In order to prevent overlapping of interests, therefore, particularly with our nearest neighbours, your Council feels it prudent in the scheme now before you to delimit the interests of the Society's Museum, and to re-direct them more completely to their traditional and legitimate fields of research—Natural History and Archaeology. In so doing, your Council also feels that, while preference must at all times be given to Yorkshire material, to restrict the Museum to such would not only be undesirable but impossible if the galleries are, in the future, to reflect the importance of the material with which they will be called upon to deal. This viewpoint is particularly apposite in the case of Natural History, in which every branch, where possible, must be related to the whole, and this cannot be successfully accomplished with Yorkshire Furthermore, your Council believes that the acceptance material only. of foreign material, unless of obvious comparative or illustrative value,

should be discontinued, and that British material should mark the limits of our horizon. These remarks apply with almost equal force to Archaeology. Archaeological material is not inexhaustible, and our future development will be determined as much by the bias of our existing collections as by the great increase of other museums since the inauguration of our own institution.

In further amplification of your Council's Report, it may be stated here that, although the specialised student must always remain one of our main concerns in the maintenance of Study Collections, your Council is most anxious to encourage a greater use of the Museum by the School Authorities, and looks forward to the day when organised parties of school-children will visit our galleries as a regular, indeed necessary, feature of their training. To this end special material is being collected now to augment that which we already possess in order that the re-arrangement of the galleries on sound modern lines may be commenced as soon after the war as possible. Our assistance to schools, however, should not end here, and as time and materials become available, it is hoped to establish a School Loan Collection to meet the special requirements of teachers, and to supplement the work of our permanent displays and temporary exhibitions.

Of the many other points embodied in your Council's recommendations, little, if anything, need be said here as they are considered to be self-explanatory. Nevertheless, they are just as important as those which have been specifically referred to in this short introductory review, and form a very real part of the whole scheme, which will require the full co-operation of all the members of the Society if it is to be fully implemented.

REPORT ON THE CULTURAL AIMS OF THE YORKSHIRE PHILOSOPHICAL SOCIETY

as approved by the Council of the Society at its Meeting held on 21st June, 1943.

The Council of the Yorkshire Philosophical Society considers that the future concern of the Society should primarily be the promotion of the study of the Natural Sciences and Archaeology, and has set out below under (A) The Society, (B) The Museum and (C) The Grounds, a general outline of policy by which it is felt the above may be successfully developed.

A. THE SOCIETY.

- 1. By re-introducing regular meetings of the Society as a whole for the reading and discussion of papers and for demonstrations.
- 2. By encouraging the development of sectional activities.
- 3. By organizing and conducting excavations.
- 4. By inviting the Universities to undertake Extension Lectures under the Society's auspices.
- 5. By suggesting lines of research from time to time in the Press.
- 6. By continuing and even extending our Meteorological activities.
- 7. By re-opening the Observatory to the Public after the close of hostilities.
- 8. By continuing to provide the Public with a free course of Lectures during the winter months,

- 9. By introducing special lectures and demonstrations for young people.
- 10. By maintaining at the service of the Society a panel of Specialist Lecturers and a library of slides suitable for their use.
- 11. By assisting in schemes for Adult Education in every possible way.
- 12. By continuing and extending our hospitality and assistance to Societies with kindred interests, and our collaboration with other Museums.
- 13. By continuing to publish papers of Scientific value in our Transactions.

B. THE MUSEUM.*

1. Scope of Collections.

Primarily the Natural Sciences and Archaeology.

2. Geographical Limitations.

British Isles, especially the County of Yorkshire. In the case of Archaeology, especially the City of York.

- 3. Educational Functions.
 - a. For the Specialist Student.
 - b. For the School Authorities.
 - c. For the General Public.
 - 3a. 1. Properly to maintain its existing Study Collections and to publish from time to time catalogues of the same.
 - 2. To add such material as is likely to increase the value of the said Study Collections.
 - 3. To encourage students at all times to undertake work upon its collections and to provide them with all reasonable facilities for such work.
 - 4. To keep up to date its scientific library for the use of all students.
 - 5. To prepare and keep up to date a Card Index of all Yorkshire material appertaining to Natural Science and Archaeology.
 - 3b. 1. To maintain, in collaboration with School Authorities, a School Loan Collection.
 - 2. To institute, in collaboration with School Authorities, regular museum talks for Schools, such talks to be linked to school work.
 - 3. To provide scientifically accurate but easily assimilated permanent exhibitions in the Galleries.
 - 4. To provide from time to time special temporary exhibitions on various aspects of Natural Science and Archaeology.
 - 5. To maintain appropriate displays to illustrate the local Botany and Zoology throughout the year.
 - 6. To assist at all times in the determination of material.

* Owing to Air Raid Precautions the Museum has been depleted of its more valuable contents which have been removed to places of safety.

When peace is declared the necessary re-organisation of the Museum's activities and an improved display of material will be carefully considered, as well as the personnel necessary to carry out the future plans of the Society.

- 3c. 1. See under 3b. 3.
 - 2. ,, ,, 4.
 - 3. ,, ,, 5.
 - 4. ,, ,, 6.
 - 5. To conduct organised parties round the Museum, and to arrange special courses of reading in connection therewith.

C. THE GROUNDS.

In drawing up this scheme the following points have been taken into consideration:—

- 1. The Grounds are an integral part of the Yorkshire Museum, and equally with it form the real property of the Yorkshire Philosophical Society.
- 2. When the Society was founded the acquisition of such Grounds and the important ruins thereon, with the building of such a Museum, was deemed the first essential for carrying out the projects of the Society, and to-day they both remain of the first importance in maintaining and extending those projects.
- 3. A primary object should be the development of the Grounds as the Gardens of a Philosophical Society, in which its members, other learned societies, students from all Educational Bodies and members of the General Public will be sure of finding adequate material, properly labelled, classified and described.
- 4. It is suggested, therefore, that the development of the Grounds of the Society should be on the lines indicated in Paragraph 3 by:
 - a. Maintaining in the best possible condition the rich Architectural and Archaeological material in the Grounds.
 - b. The development of the Gardens as Botanical Gardens.
 - c. The publication of suitable guides and catalogues to enable Members, Students and other visitors to make the fullest possible use of the Grounds.

Membership.—During the year the membership of the Society was increased by fifty-two, and although this is a most encouraging increase, the most encouraging in fact since 1921, our list of Members in view of the size of the City remains small. There must still be many people in York who are interested in Archaeology or Natural History who are unaware of the advantages to be gained by joining the Society. Thus, whilst we have every reason to feel pleased with the present upward trend of the Membership figures, every effort should be made to make the work and interests of the Society more widely known.

Finance.—It is gratifying to report another very satisfactory financial year. Practically all the items of income shew an increase, and the total income exceeded that for the year 1942 by £461 6s. 1d., but against this there was an increase in expenditure amounting to £320 6s. 5d. The accounts therefore shew an increase in the credit balance on the year's working of £140 19s. 8d. over that for the previous year, thereby increasing the excess of Income over Expenditure for the year to £646 11s. 9d.

This improvement in the Society's finances presented the opportunity to replace to Capital, out of the balance of £525 18s. 1d. brought forward from the year 1942, the sum of £468 15s. 9d. which it had been necessary to utilise for the repair of the Manor Cottage. The remaining balance of £57 2s. 4d. together with the £646 11s. 9d. Excess of Income over Expenditure for the year 1943 makes a credit balance of £703 14s. 1d. to carry forward to the Year 1944.

Increases are also shown in the Bank Balances of the Reed Bequest and the H. J. Wilkinson Memorial Fund.

The Museum.—As shown in the Departmental Reports there has been steady progress in all Departments of the Museum. Special thanks are due to Mr. E. M. Rutter for his careful and painstaking work on the egg collection, and to Mr. W. Thurgood for his equally valuable services rendered in connection with our collection of land and freshwater molluscs. Your Council wishes to place on record its high appreciation of the work throughout the year of the Honorary Curators and of the friendly cooperation between them and the Keeper who has in many ways rendered them much valued assistance.

THE LIBRARY.—We are much indebted to Professor F. O. Bower, an Honorary Member of the Society, for a magnificent gift of nineteen volumes of *Die natürlichen Pflanzenfamilien*, by A. Engler and K. Prantl. This standard work is of the utmost importance to all systematic botanists, and forms a valuable and most welcome addition to the Society's Library.

The Library has also been enriched by Mr. N. Vear through his gift of a number of modern books on astronomy. Mr. Vear's gift is particularly welcome in view of the fact that the books on this subject already in our possession are of historical rather than practical value. At the present time Mr. Vear is on active service overseas, and your Council trusts that it will not be long before he returns to take up his work again as the Society's Honorary Curator of Astronomy.

Lectures.—During the year the following lectures were delivered in the Tempest Anderson Hall under the auspices of the Society:—

Thursday, March 25th—"In BIRDLAND WITH A CAMERA."

By Mr. F. Vear.

Saturday, April 3rd—"Across the Arctic to Spitzbergen."

By Dr. Douglas A. Allan, Ph.D., D.Sc.

Saturday, April 10th—"AMERICA AND THE REST."

By Mr. George Kitson-Clark, M.A.

Saturday, May 15th—"The Roman Inscribed Stones belonging to the Y.P.S." (including a visit to the Hospitium).

By Mr. R. P. Wright, M.A., F.S.A.

Saturday, May 29th—"Life in Roman Britain."

By the Rev. M. P. Charlesworth, M.A.

Wednesday, June 16th—"Efficies of the Middle Ages."

By the Rev. H. Lawrence, M.A.

Wednesday, June 23rd—"700 Years of Diocesan Registry Archives."
(Repeated by request).

By the Rev. J. S. Purvis, M.A., F.S.A.

Saturday, November 13th—"Depression over the Atlantic." (Some aspects of weather forecasting). (Illustrated by Film). By F/Lt. H. T. D. Holgate.

Although all lectures were again offered to the public free of charge, together with the films listed below, the attendance figures, though better than last year, remained a little disappointing. It is to be hoped, therefore, that members will do their uttermost in the future to make the Society's Lecture Programmes better known. Every attempt is made to make them balanced and of the highest possible standard, and at the same time not too academic. If, however, there are any members who believe that the programmes could be made more interesting and varied, perhaps they would communicate with the Keeper of the Museum, who would be pleased to place suggestions before your Council's Lecture Sub-Committee.

FILMS.—The following films created considerably more interest than the Lectures, and for this reason your Council has decided to include more films in future syllabuses.

Saturday, November 27th—"The Cradle of Civilisation—Egypt to India."

(1) Four Thousand Years. Ancient and modern Egypt.

(2) Biblical Palestine.

(3) An Eastern Gate-crasher. A motor journey from Persia to India.

(4) City Life in India.

Wednesday, December 8th—"Our Heritage."

(1) Big City (London).

(2) For all Eternity. A survey of England's Cathedrals.

(3) Coast Line.

The Grounds.—Your Council was again pleased to co-operate in the City's "Holidays at Home" Programme, and granted the Corporation the use of the Grounds for public entertainment on Wednesday, Saturday and Sunday afternoons from July 17th to August 15th. This gesture which was much appreciated was also extended to the Organisers of the City's "Wings for Victory" Week and "Farm Sunday" who were equally appreciative of the Society's contribution to their efforts.

During the year a considerable number of attractive plants (annuals) were planted in the Grounds, and these, together with a quantity of herbaceous material, kindly presented to the Society by Mr. G. Howard, did much to improve their appearance. As, however, it is becoming increasingly difficult to obtain flowers of any kind from the usual suppliers, your Council would welcome any surplus material which Members may possess, in the belief that in these days it is more than ever necessary to keep the Grounds gay and cheerful.

OBITUARIES.—The death of Mr. Walter Harvey Brook occurred on 6th April, 1943. He was elected an Honorary Curator of Archaeology in 1912, and a Vice-President of the Society in 1923. His name will ever be associated with the establishment of the Department of Mediaeval Architecture.

The years 1911-1912 stand out both in the history of the Society as a whole and in that of the Department of Archaeology in particular. In 1911 the Tempest Anderson Theatre was erected. In selecting the site of this hall, the Council was influenced by the consideration that the Theatre as it now stands would cover and protect the ruins of the vestibule of the Chapter House of St. Mary's Abbey from further exposure to the weather; and would form a repository for much material lying in an overcrowded

state in the Hospitium. The work of converting this place into a Museum of Mediaeval Architecture fell largely upon Harvey Brook, who with the collaboration of the late E. Ridsdale Tate, effected the removal of the architectural material from the Hospitium to its new home.

In 1912, with the consent of the Council, but largely at his own expense, Harvey Brook excavated the remainder of the site of the Choir of St. Mary's Abbey which had been left unexplored during the excavations in 1901-2. The fragments worthy of preservation which were found during these excavations were placed in the Architectural Museum; and thereafter Harvey Brook devoted much time to the arranging and cataloguing of this rich store. A manuscript volume of the catalogue (incomplete), illustrated with admirable water colour drawings, has most kindly been presented to the Society by his brother, Major Stanley Brook. It will remain a memorial of its author's enthusiasm as an antiquary and of his skill as an artist.

The death of Mr. R. G. Collingwood, University Lecturer in Philosophy and Roman History in the University of Oxford, and of Sir Michael Sadler, Master of University College, Oxford, brings to an end the work of two men which, though carried on in widely different fields, was in each case of direct value to Yorkshire and the North. In 1924 the Council sought to express the Society's appreciation of Mr. Collingwood's researches into the Roman archaeology of Britain by electing him to Honorary Membership of the Society; and in the same way marked its recognition of the value of Sir Michael Sadler's influence on education in the North of England during his Vice-Chancellorship in the University of Leeds.

The natural sciences have also suffered loss by the death of Dr. Charles Tate Regan, Director of the British Museum (Natural History). He was elected an Honorary Member of the Society in 1927.

FIELD NATURALISTS' SECTION.

Work and interest in Natural History have been enthusiastically maintained by our existing members, and there has been a very pleasing increase in new members who also show keen interest. A constant series of meetings and lectures has been arranged throughout the year, and these have been well attended.

The main item of the year's work was the Natural History Exhibition of specimens and collections arranged in the Hospitium by our own Members, and which was supervised and kept in order for three weeks during September and October. A separate account of this appears below, but the constant and almost unending stream of visitors was a striking testimony to the general interest in the objective work of the Section.

Amongst the outstanding lectures to the Section should be mentioned the Presidential Address by Mr. Frank Smalley, who demonstrated the possibilities of giving instruction and entertainment by showing on a screen many living objects of microscopic pond life. Aquatic creatures almost invisible to the unaided eye were seen "at home" projected many times enlarged on to the screen. A further very successful evening was enjoyed by a large audience when a series of natural history films with talking accompaniment was shown.

A further feature at several meetings has been the development of practical instruction in mounting, setting and preserving specimens. It is hoped to continue this practical work at our meetings as much as possible.

Preliminary work is being undertaken for the classified recording of species found in the York area, and as soon as post-war conditions allow material to become available, this work will go ahead.

Membership of the Section is steadily increasing, and we have again reached a total of 100 subscribing members, including a few keen student members.

Natural History Exhibition.—Under the auspices of the parent body, the Section held a free Public Natural History Exhibition in the Hospitium, Museum Gardens, from September 15th to October 5th. The Exhibition was opened by Sir Francis W. Terry, who was supported by Mr. S. Cooper and Mr. A. W. Ping, President and Secretary respectively of the Section, and also by Mr. Charles Allen and Mr. R. Wagstaffe, Keeper of the Museum. The Exhibition was designed to show the work and interests of the individual members of the Section, and during the period it was on view it was visited by a large number of local school children and by some eight thousand or more adults, including Naturalists from Hull, Leeds, Pontefract and Harrogate. Owing to the excellent co-operation of all concerned, the Exhibition was undoubtedly a success. In this connection, particular thanks are due to the Council of the Philosophical Society for the loan of the Exhibition Room, and for other facilities readily granted.

The following is a list of the Members of the Section who exhibited with particulars of their exhibits.

Mr. P. J. McHugh—Some British Beetles and their Larvae; also living Vipers. Mr. C. F. Sweetman—Shells of Land and Freshwater Molluscs. Mr. A. Smith—Shells of Land, Freshwater and Marine Molluscs, also Moths and Butterflies and their Larvae. Mr. B. A. Cooper—Specimens of Migratory Butterflies and Moths, also Silk-moths with information on how to breed them. Mr. G. A. Roberts—Herbarium specimens of British Flowering Plants, and equipment for Herbarium technique. Mr. J. Elliott-Equipment required for collecting and preserving British Insects, also various groups of Hymenoptera. Messrs. R. Wagstaffe and B. Allen—Local Dragonflies, preserved dry and wet. Messrs. S. Cooper and J. B. Palframan —An Observatory Beehive. Mr. W. G. Bramley—Herbarium specimens of Rusts and Smuts, and Photographs and Lantern Slides of the larger Fungi. Mr. R. Wagstaffe—Skins of some British Birds and Herbarium Specimens of British Flowering Plants. Mrs. R. Wagstaffe—Watercolours of British Flowering Plants. Mr. W. Farnsworth—Lantern Slides and Photographs chiefly of British Birds. Mr. F. Vear—Lantern Slides, chiefly of British Birds. Mr. E. W. Taylor—Photographs of British Birds. Mr. Stanley Allen—Some Insect Pests of Stored Foods. Mr. F. Smalley— Equipment required in the Preparation of Slides for the Microscope. S. Melmore—Mathematical models and the original manuscripts of James Edmund Clark's investigations into the local geology; also photographs taken at the time of the erection of the new Railway Station at York. Mr. Charles Allen, assisted by scholars from Archbishop Holgate's School— An extensive display of living Freshwater Life, which formed one of the main features of the Exhibition. Mr. A. W. Ping-Photographs, Lantern Slides and Watercolour illustrations of Fungi, also living specimens of Fungi. Dr. J. S. Gayner—Autumn Fruits. Mr. G. Howard—Eggs of British Birds. Mr. Edward Yuill—Photomicrographs of various Moulds. Mr. W. D. Hincks—Yorkshire Beetles in the genus Donacia.

There was also a series of Natural History Books on exhibition, which members of the Section have found of particular use in their work.

THE MUSEUM.

DEPARTMENTAL REPORTS.

ROMAN ANTIQUITIES AND ETHNOLOGY.—Hon. Curator, Mrs. D. J. Chitty, M.A., F.S.A.

The most important events of 1943 in this department were two photographic C.E.M.A. Exhibitions on archaeological subjects in the upper room of the Hospitium. Under C.E.M.A. conditions, access to both exhibitions was free by daily ticket, but the public generally respected the conditions of limited access, and paid the usual charge to see the permanent collections. While temporary exhibitions constituted for us an innovation, they clearly ought to find a permanent place in our programme, for their educational value cannot be questioned. The two we acquired were of exceptional interest, and merit, as a first venture, a fairly detailed reference.

The first exhibition, "English Art and the Mediterranean," had been organized by the Warburg Institute, and was the more extensive (550 photographs) as well as the more original in scope. It was held February 9th— March 5th. The theme of the exhibition was the long series of influences from the Mediterranean that have moulded and have been absorbed by English Art. The story, treated in an academic and scholarly fashion, began in 2,000 B.C., was brought down to the present day, and touched every type of art. The subject was one your Curator felt to be singularly suitable to York, where cosmopolitan culture has so often flourished in a provincial setting, and immediately after she first saw it displayed in Oxford, she began, with the Keeper's co-operation, to take steps to secure it for York. When it arrived she was again impressed with the remarkable number of parallels in your Society's collections to the examples illustrated by the photographs, were they Roman, Saxon, or Mediaeval. We may quote only one, as it is little known: we have a good counterpart to the famous and often figured gorgon head from Bath.

This exhibition was well equipped with an excellent detailed guide, numerous captions, and it was carefully grouped and subdivided under general headings, but it was found that visitors, impatient of elaborate analysis, required something simpler by way of a guide. Your curator, therefore, tried to provide something of the sort, but it proved impracticable to duplicate it. This exhibition had never been designed to tour, and it was if anything, too copious, and not very easy to handle. The difficulty, however, of displaying unmounted photographs in a museum with no display screens, and no possibility of buying substitutes, was overcome by the ingenuity of the Keeper; indeed all the incidental details of unpacking and arrangement had to be left to him, owing to the fact that the Exhibition arrived late. We must again express our indebtedness to voluntary assistants and especially to Mr. J. H. Elliott and Mr. S. Melmore.

It was a great pity that Dr. Pevsner's excellent introductory lecture was so poorly attended, but the attendance at the exhibition itself was very satisfactory.

The second C.E.M.A. Exhibition "The Present Discovers the Past," designed by the Institute of Archaeology, was held from July 24th to August 7th, and was no less relevant. In fact our Society contributed to it a number of the late William Watson's fine photographs of York antiquities, mainly from this Society's collection and grounds. Considering that the Exhibition was drawn from the whole of the British Isles and covered all the astonishing

developments of modern technique, the number of prints supplied by this Museum alone was very creditable. The 5 copies of the Exhibition on tour will, therefore, take something of the Yorkshire Philosophical Society all over the United Kingdom. It was the smaller Exhibition of the two, had the better lay-out, and was incomparably the easier to handle, as it was especially designed to tour. Its object was to bring home to the public recent discoveries, and to emphasize the principles underlying modern archaeology, using wherever possible a modern parallel to incidents in ancient life, as a jumping-off point for the imagination.

We therefore booked "The Present Discovers the Past" for the "Holidays at Home" period, and were justified, for the visitors to it numbered at least 10,000. Both exhibitions were open on Sunday afternoons. We may note that there were many enquiries for a guide book (which was not provided by the promoters) and that some of the public needed more detailed information than was provided by the captions, which were essentially of a popular nature. This fact presses home a vital principle of museum display—that one Exhibit is expected to cater for varying levels of curiosity, intelligence and knowledge.

Negotiations were put in hand for the Exhibition of Greek art shewn in London and Edinburgh; but the Keeper considered the costs to be greater than it is at present desirable to lay out on anything that cannot be considered part of our permanent equipment. Nevertheless your curator hopes that still more free exhibitions may be arranged and particularly that our connection with C.E.M.A. will continue to be close.

Accessions in this department were not very numerous during the year, but included some fine Roman glass from the Levant, presented by Mr. Timperley (we must acknowledge the good offices of the Castle Museum in this connection), that will be admirable for comparison with our own local collection; a handsome mediaeval wooden sculpture from Alderman Morrell, and a collection of flint implements of various periods with data from Mr. W. G. à B. Williams. We also received a Baffle Board, presented by Mr. S. R. B. Franks, and some representative Roman pottery found in Blossom Street, which had been in the possession of the late Mr. Harvey Brook.

Archaeology and history were also well represented in the year's lecture programme. Continuing last year's scheme of grouping lectures together, two pairs of lectures on Roman and mediaeval subjects were held in the early summer; we may note here in particular Mr. R. P. Wright's lecture and description on the spot of some of our wealth of Roman Inscriptions—an event which opened up to us more and more the possibilities and needs of this supremely important part of our collection. Collaboration with the Yorkshire Roman Antiquities Committee of the Yorkshire Archaeological Society on these occasions, when the R.A.C. enjoyed your hospitality, has opened the way to what we hope will be an even closer and more fruitful collaboration next year. The two mediaeval lectures did not receive the support they deserved, which your curator believes is partly due to the lack of a nucleus of keen individuals, such as Roman studies in York always seem to attract. Two entire afternoons of films were also devoted to archaeological and historical subjects.

Organised visits from schools and other educational bodies continued, and in addition Bootham School has kept up a regular series of visits from entirely voluntary unofficial assistants, who have proved themselves of material use, particularly in compiling the catalogue of negatives of Roman subjects.

Numismatics.—Hon. Curators { Mr. Geoffrey Thompson, M.A., F.S.A. { Mr. J. F. E. Gelson Walker, M.A.

Another year of restrictions has not prevented a certain activity in most sections of the collection that are available.

The Society is grateful for gifts of coins and medals, in particular a fine set of the Isle of Man Coins, Tokens, and Bank Notes presented by the Trustees of the Manx Museum. This series, always a favourite with collectors, has a special interest this year, for the well-known three-legged device appeared on some of the coins of Sicily 2,400 years ago.

Eighty-four various coins have been presented by Mr. Gelson Walker. Among the welcome visitors were Mr. A. H. F. Baldwin, who kindly identified some doubtful specimens, and Mr. H. Hird, a vice-president of the Yorkshire Numismatic Society.

The Society is most anxious to start a collection of Naval, Military and Air Force decorations, medals and ribbons, and would warmly welcome any gifts.

Geology.—Hon. Curator, Mr. S. Melmore, B.Sc.

In 1876, Thomas Lightfoot presented the Society with parts of the core of a boring put down at Well Garth Brewery, Masham. An account of it is in the Society's Annual Report for that year (Communications p. 29). The shale bands of the core have recently been examined by Mr. A. Fowler of H.M. Geological Survey, who found a fair number of fossils in them. The Society has been favoured with a copy of Dr. C. J. Stubblefield's report on them, and will shortly receive a representative collection of the fossils determined by him.

In the Mineral Department some further investigations into the phenomenon of conical refraction have been made: the results will be found in *Nature*, vol. 151, p. 620.

Students preparing for examinations have, as in past years, made use of the collections and the services of the Hon. Curator.

VERTEBRATE ZOOLOGY.—Hon. Curator, Mr. E. W. Taylor, F.R.M.S.

The policy during the war period is to devote what little time there is available to the study collections as there is not much likelihood of this work being undone by air raids. When, however, peace returns, the main effort will be directed to the public galleries.

The study collections consist of:—

- (a) The Backhouse collection of Bird Skins.
- (b) The Farman collection of Bird Skins.
- (c) The Grabham collection of Mammal Skins.
- (d) The General collection of Eggs.(e) The Howard collection of Eggs.
- (f) Small collections of Eggs presented by Mr. E. M. Rutter and others.

The intention is to combine the Backhouse and Farman collections to form one general collection, and to weave into this the small but valuable series of skins presented by the Keeper. Some hundreds of skins have already been re-arranged, and in conformity with a modern system of classification, but ultimately many of the specimens will have to be examined in the light of sub-specific distinctions and modern nomenclature.

Certain new additions have been made during the year, the most valuable of which is a very fine adult female Osprey, *Pandion haliaetus haliaetus* (L.) from Hornsea in Yorkshire. The skin has been beautifully preserved by the Keeper.

At the commencement of the year Mr. E. M. Rutter undertook the rearrangement of the egg collections, using the Howard collection as a basis, and considerable progress has already been made.

Although a number of cabinets exist, they will certainly prove inadequate for the proper storage of the skins and eggs. Expenditure on new cabinets will, therefore, be necessary when it becomes possible to acquire them.

It should be emphasised that the collections referred to above will be of great value when the rearrangement of them is completed. For many years they have been little used by students, largely, it is believed, because of the lack of system in their arrangement, and the consequent difficulty of finding what was required.

Entomology (excluding Lepidoptera).

Hon. Curator, Mr. W. D. Hincks, M.P.S., F.R.E.S.

It will be remembered that last year the Hon. Curator made suggestions for the reconstruction of this department, and early this year a paper was published under the title of "A Central Reference Collection of Yorkshire Insects" (Naturalist, 1943: 55-56) detailing these plans. Excellent progress, consonant with war-time difficulties, has been made towards a realisation of several of the suggestions and undoubtedly the most important item is the deposit in the Museum by the Yorkshire Naturalists' Union of the large mass of records collected together during a lifetime's labour by the late Dr. W. J. Fordham. These records are invaluable and cover almost all the insect records of the county and much other distributional and biological data. In placing this valuable property on deposit in the Museum the Yorkshire Naturalists' Union desires that the records shall be of the utmost service to us, and we are indebted to the Union for this facility (Naturalist, 1943: 70).

The Yorkshire Naturalists' Union has also deposited the P. H. Grimshaw reference Collection of Diptera in the Museum with permission to incorporate it into our own collections when these are arranged.

One of the greatest needs of British Entomology and a paramount need of all museums in this country is a comprehensive catalogue of the whole of the British Insects. Such a work has not been attempted for over a hundred years since which time the number of British species known has been doubled. Nevertheless, for nearly two years the Hon. Curator has been working on such a project in collaboration with Mr. G. S. Kloet of Wilmslow. The book will contain lists of roughly 20,000 species, and will cover about 500 pages. Lately the tempo of the work has quickened, due to the gradual accomplishment of the task, and because of pressure by the printers who find that the storage of the more than a ton of type already set up presents difficulties in connection with their other war-time "Priority" work. The writer has tried not to let this pressing work affect his efforts for the Museum, nor has it greatly done so. Week-end Firewatching duties every two weeks, however, have prevented his visits to the Museum being as frequent as he would have liked, and it is due to the ready assistance of the Keeper and Mr. J. H. Elliott, as recorded below, that this war-time necessity has hardly interfered with the progress of the Coleoptera collection on which work was commenced last year.

STUDY COLLECTIONS.

(a) COLEOPTERA.

In regard to the bringing together of adequate collections for the Museum, it is a pleasure to record that the arrangement of the Coleoptera, one of the largest orders, started last year, is now nearly completed. This is largely due to the keen interest of the Keeper and to the assistance of Mr. J. H. Elliott. Whilst this collection is already quite extensive, it is by no means complete, and an important immediate desideratum is further accessions of specimens to fill the many blanks. As will be seen below, the Hon. Curator and others have collected materials this season for this purpose, but if the quickest and best use is to be made of the collection a more rapid means of extending it must now occupy the attention of the writer.

(b) HYMENOPTERA:

Quite early in the season it was determined that when the Coleoptera were arranged, similar work on the Hymenoptera should follow. In this connection the Museum has been singularly fortunate in having the assistance of Mr. J. H. Elliott, who has done extremely valuable work during the year in collecting and setting very many Hymenoptera. Whilst primarily interested in this order, Mr. Elliott has further placed us in his debt by collecting material in several other orders such as Hemiptera and Diptera.

(c) Odonata.

Our collection of Odonata (Dragonflies) has hitherto consisted only of old specimens without data, and the Keeper and his friends have been able, by assiduous collecting, and in a remarkably short time, to bring together a representative collection in fine condition. Lieut. Col. Fraser, I.M.S. (Retd.), has been kind enough to contribute specimens of three very rare Southern species not found in Yorkshire, thus materially improving the representation.

(d) OTHER ORDERS.

Extensive materials in other orders are being accumulated by the Hon. Curator, but time has not been found to work much of this out at present, nor to commence their arrangement. Thanks are due, however, to Mr. J. R. Dibb for undertaking the determination and recording of a valuable collection of Yorkshire Ephemeroptera (Mayflies) collected by the writer chiefly in Ribblesdale. So far this work has revealed two important and interesting species new to the county.

Collecting and Determinations.

(a) GENERAL.

The Hon. Curator has continued to collect extensively, and has accumulated several thousand specimens in all orders from a number of Yorkshire localities. Some of this material is recorded in the reports of the Yorkshire Naturalists' Union for 1943, printed in the *Naturalist*. Besides those whose assistance has already been acknowledged, the Hon. Curator would like to record his indebtedness to the following collectors who have presented specimens:—The Keeper, Messrs. Stanley Allen, Charles Allen, B. Allen, W. G. Bramley, P. McHugh and A. Smith (York), Britten (Manchester), Dibb (Leeds), R. W. Lloyd (Treago Castle), Stainforth (Hull), Steel (London), Tozer (Leicester), and Wood (Keighley).

(b) ASKHAM Bog.

Collecting has continued during the season in this classical locality, which is often said to be "played out," a statement which is probably true of the water Beetles—Askham's main claim to fame—due to the filling up of the ponds with debris. For instance, W. C. Hey used to take the rare Hydaticus transversalis Berg. in certain "deep ponds" in Challoners Whin, but, as far as the writer can ascertain, there now exist no ponds which answer this description. On the other hand it is certain that careful study of the non-aquatic fauna, so frequently unsampled in the past because of preoccupation with the aquatic forms, would yield many surprises.

Of the beetles noted a single specimen of the rare *Dytiscus dimidiatus* Berg, in March is interesting in confirming that this species still exists at Askham Bog although it has been said to be extinct there. *Bembidion doris* Panz. was found in plenty on the 24th July. A number of interesting *Staphylinidae* and other species including some new county and vice-county records are mentioned in a paper on "Insects (chiefly Coleoptera) associated with *Typha* at Askham Bog, York," by the writer and Mr. W. O. Steel (*Naturalist*, 1943: 111-112). Other interesting beetles include *Dasytes aerosus* Kies. and the rare Heteromeron, only once recorded from Yorkshire (VC62) previously, *Abdera flexuosa* Payk. Many pupae of the latter occurred in a dry woody fungus on alder on the 24th April, and a few specimens were bred out towards the end of the month. *Phytobius comari* Herbst. is a rarity previously recorded from Askham Bog where it still occurs as specimens were swept there both last year and during the present summer.

In the Hymenoptera the new British sawfly from Askham Bog referred to in last year's report has been named *Pristiphora fuscata* by Mr. R. B. Benson of the British Museum (*Ent. mon. Mag.*, 79, 1943: 180). Another interesting sawfly new to the county is *Xiphydria camelus* (L.), a single male of which was captured on the 24th July (*Ent. mon. Mag.*, 79, 1943: 233). A hitherto unrecorded Sphecid, new to Yorkshire, *Stigmus solskyi* Mor. was taken in August, 1942. A second Yorkshire example and species of the curious Ensign flies (family *Evaniidae*) was seen but not captured in the Bog during the summer (*Naturalist*, 1943: 115).

Much interesting material in the above and other orders awaits leisure for determination and report. It is hoped to continue collecting in this important locality during the coming season.

(c) DETERMINATIONS.

It is a pleasure to record the collaboration between this Museum and the Manx Museum for whom we have made some determinations during the year and to whom we owe some specimens of Manx insects. A small, but interesting batch of insects from the Faroes has been determined for Mr. Kenneth Williamson, and a number of smaller or less individual lots have been named for several other workers. It is hoped to extend this service in the near future.

There is now a considerable interest in the ecological aspects of Entomology and other branches of Natural Science, whereas previously such work was almost wholly neglected except by Botanists. This interest is widespread and general and does not affect Yorkshire alone. It is to museums such as ours that workers will turn for assistance in naming their materials, and the Hon. Curator would again emphasise that in order to meet this growing demand for rapid determinations our "type" collections must be fully arranged and usable and our equipment such as microscopes and accessories and modern systematic literature brought up to date.

It may be mentioned that at the highly successful Exhibition held by the Field Naturalists' Section the present department was adequately represented and contributed a share towards the popularity of the effort.

LEPIDOPTERA.—Hon. Curator, Mr. A. Smith.

The Curator of this section of Entomology, in wishing to identify himself with the scheme for Yorkshire Entomology, as suggested by Mr. W. D. Hincks in the Society's last Annual Report, has, in conjunction with the Keeper, made certain definite plans for housing a collection of Lepidoptera with full data. The form of classification and the nomenclature to be employed have been agreed upon. Our cabinet position has been reviewed, and although not by any means satisfactory, it should meet our requirements for some time to come.

Certain plans have already been implemented. A number of cabinet drawers have been re-papered, and a selection of insects (Butterflies), presented by the Curator, has been installed. During the year two local specimens of the Death's-head Hawk Moth were presented, and a number of moths of economic importance were determined for various people.

BOTANY.—Hon. Curator, Mr. Charles Allen.

During the year Mr. A. W. Ping presented a further series of the British Mosses, collected and arranged by the late H. Sowden, thus completing the Sowden Collection in our possession. Now that the whole of this splendid Collection of Mosses has been brought together, it is found to contain many thousands of specimens in an excellent state of preservation. Although essentially a Yorkshire Collection, it contains many interesting species obtained in other parts of the country by William Bellerby and other well-known Bryologists.

In the course of routine work an unusual number of plants were determined for various people, local specimens of Sisymbrium altissimum L. and Sisymbrium orientale L. being the most noteworthy.

Much attention has been paid to the re-labelling of trees in the grounds. Many label-holders have been thoroughly cleaned, new glass covers fitted and labels re-painted and re-lettered. Unfortunately some of this work will have to be undertaken again owing to the activities of certain irresponsible people who defaced some of the labels almost as soon as they were renovated. The Council's action in appointing a Ranger for Saturday and Sunday afternoons during the summer months should do something to stop further vandalism of this nature.

NEW MEMBERS, elected in 1943.

Allison, H. W., 14 Church Street.

Atkinson, Miss R., 40 St. Olave's Road.

Baker, G., 8 Rosedale Avenue, Acomb.

Boyes, Mrs. A. M., 4 Driffield Terrace.

Buckle, Mrs. M. A., 4 Bean Street.

Burke, Capt. W. H., 103 High Petergate.

Campbell, Miss M. E., 19 Hetherton Street.

Carr, Percy, 1 Marlborough Grove.

Cobb, C. C., M.B., M.R.C.P., 32 Clifton.

Dacre, H. F., 8 Goodramgate.

Davis, Mrs. M. L., 3 Longfield Terrace.

Elliott, J. H., 45 St. Olave's Road. Ellis, Mrs. L., 35 Grosvenor Terrace.

Fenwick, J. O., 75 Moorgate. Fowler, Mrs. F., 1 Gerrard Avenue.

Fowler, Mrs. S. E., 22 Union Terrace.

French, Mrs. A., 11 Minster Yard.

Gill, Mrs. E. S., 50 Marygate.

Hall, Miss L. T., 37 Bootham.

Harrison, S., 8 Bean Street.

Harrison, T. C., 3 High Petergate. Harrison, W. H., York Conservative Club, St. Leonards.

Hesp, T. H., 16 St. John's Street.

Hill, Mrs. J. A., The Boathouse, Lendal Bridge.

Holmes, Mrs. E. A., 1 Grosvenor Terrace.

Hopkins, S. J., 54 Marygate.

Jones, Col. H. Llewellyn, D.S.O., Yorkshire Club.

Kilvington, W., 10 Stonegate.

Knott, E. A. H., 17 Stonegate.

Lister, Mrs. A. R., 57 Bootham.

Lofthouse, T., Jnr., 81 Burton Stone Lane. Lund, Miss C. M., 86 Clifton.

Mackinder, Mrs. L., 70 Marygate.

Mawson, W. T., 50 Clifton.

Maycock, M.G., B.Sc., A.M.Inst.C.E., 45B, Bootham.

Mooney, Mrs. V. A., 127 The Mount.

Oxtoby, Mrs. P., Old George Hotel.

Packer, Mrs. J. S., 66 Bootham Crescent.

Raney, A., 2 Earlsborough Terrace. Rowntree, Mrs. Frank, 2 Bootham Grange.

Scobey, R., 33 Bootham.

Segar, Mrs. E. L., 24 St. Mary's.

Simpson, Mrs. A. M., 32 Sycamore Terrace.

Smith, H. D., 210 Stockton Lane.

Swale, T. L., 42 Sycamore Terrace.

Tait, Miss L. M., 18 Longfield Terrace. Thornton, H. B., 26 St. Mary's.

Towler, G., 14 Bootham Terrace.

Wake, Miss K. H., 4 Bootham Terrace.

Walker, E. G., 17 Little Stonegate.

Watt, Mrs. M. K. M., 72 Marygate.

Wilkinson, Miss D., 15 Clayton Street.

DEATHS.

Honorary Members.

Collingwood, R.G., M.A., F.S.A., Magdalen College, Oxford. Regan, C. Tate, M.A., D.Sc., F.R.S., F.L.S., Director of the British Museum (N.H.), London, S.W.

Sadler, Sir Michael Ernest, K.C.S.I., C.B., LL.D., D.Litt., The Rookery, Old Headington, Oxford.

Members.

Boyes, Councillor G. T., 4 Driffield Terrace.
Brook, W. Harvey, 26 East Mount Road.
Buckton, Mrs. Maud E., Fairmount House, Mount Vale.
Chapman, A. E., M.A., LL.D., 7 New Walk Terrace.
Flint, G. F., The City Club.
Gostling, G. W., M.B., Bootham.
Hill, Wm., The Boathouse, Lendal Bridge.
Houlden, C. E., "Glenroyd," Strensall.
Penty, F. T., 16 Moorland Road.

DEATHS AND RESIGNATIONS.

Honorary	Memb	ers	• • •	• • •	3
Members	• • •		• • •	• • •	27
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NEW MEMBERS.

52.

TOTAL MEMBERSHIP ON 31st DECEMBER, 1943.

Honorary Member	rs		• • •	25
Members		• • •	• • •	275
Lady Subscribers	• • •	• • •	• • •	15
Associates Ticket Holders	• • •	• • •	• • •	23
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THE YORKSHIRE PHILOSOPHICAL SOCIETY. INCOME

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THE YORKSHIRE PHILOSOPHICAL SOCIET.

LIABILITIES.

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THE YORKSHIRE PHILOSOPHICAL SOCIET!

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	WM. REED BEQUEST.		
734 8 5	Balance at 1st January, 1943	74 5 6 10	- }
745 6 10	Add:—Excess of Income over Expenditure for the year ended 31st December, 1943	7 0 8 752	7 3
6			
	H. J. WILKINSON MEMORIAL FUND.		
216 3 1	Balance at 1st January, 1943	222 17 10	
222 17 10 — 6 14 9	Add:—Income for the year ended 31st December, 1943	6 15 3 229	13 1

£45074 14

£46308

REPORT OF THE AUDITOR TO THE MEMBERS OF

I have examined the foregoing Balance Sheet and Income and Expenditure Accounts ith have verified the Cash Balances and Investments.

8, Coppergate, York. 13th March, 1944.

31st Dec. 1942.	ASSETS.	ſ	C	d (c	d
44106 9 II	Brought forward	た	υ,	d. £ 45326	8	9
	FUNDS FOR SPECIFIC PURPOSES.					
	WM. REED BEQUEST.					
650 0 0	£579 12s. 5d. 4% Consolidated Stock (at cost) Note:—Market Value at 31st December, 1943, £633 4s. 9d.	650	0	0		
745 6 10 95 6 10	Cash at Midland Bank, Ltd	102	7	6 	7	6
	H. J. WILKINSON MEMORIAL FUND.					
185 0 0	£164 8s. 6d. 4% Consolidated Stock (at cost) Note:—Market Value at 31st December, 1943, £179 12s. 8d.	185	0	0		
222 17 10	Cash at Midland Bank, Ltd	44	13	1 229	13	1

15074 14 7

£46308 9 4

HE YORKSHIRE PHILOSOPHICAL SOCIETY.

le Books and Vouchers of the Society, and certify the same to be in accordance therewith. I

FORM

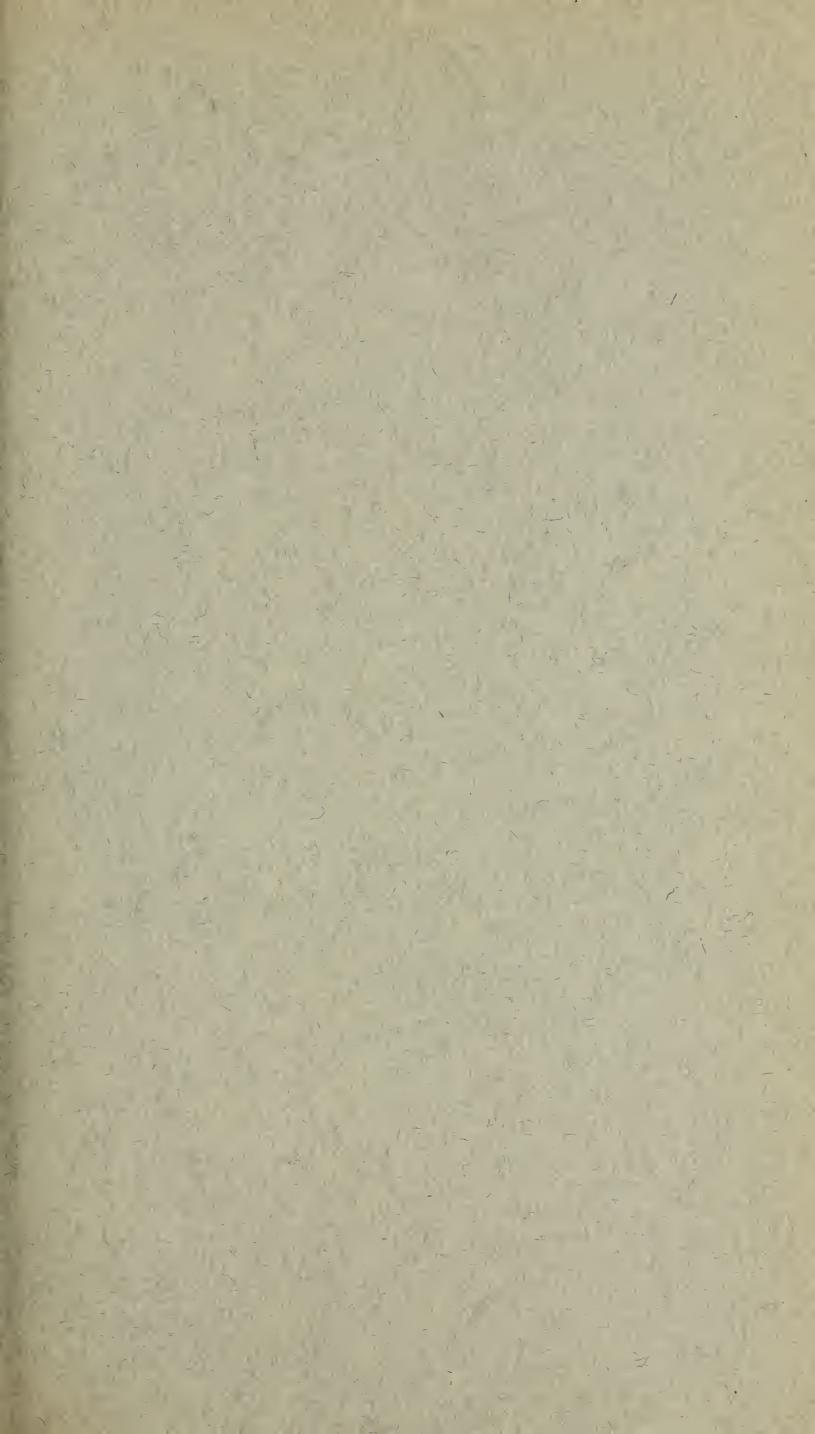
OF A

BEQUEST TO THE SOCIETY.

Every person desirous of bequeathing to the Society any sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following form:—

I give and bequeath to the Trustees, for the time being, of the Society established at York, called "The Yorkshire Philosophical Society," for the use of the said Society, the sum of to be paid out of such part of my personal estate as I may legally charge therewith. [Or here enumerate the effects or property intended to be bequeathed.] And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy.







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